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Sheet 1 of 4

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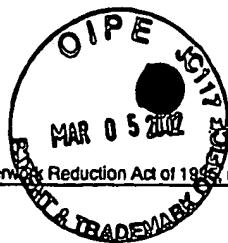
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| Application Number   | 09/753,139        |
| Filing Date          | December 29, 2000 |
| First Named Inventor | Stephen Quirk     |
| Group Art Unit       | 1646              |
| Examiner Name        |                   |

Attorney Docket Number 11301-0200 (44039-227522)

## U.S. PATENT DOCUMENTS

| Examiner Initials  | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|-----------------------------------|-------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------|
|                    |                       | Number               | Kind Code <sup>2</sup> (if known) |                                                 |                                                  |                                                                           |
| dw                 | 1                     | 5,270,168            |                                   | Grinnel, Frederick                              | 12-14-1993                                       |                                                                           |
| dw                 | 2                     | 5,698,671            |                                   | Stetler-Stevenson et al.                        | 12-16-1997                                       |                                                                           |
| dw                 | 3                     | 5,464,822            |                                   | Christophers et al.                             | 11-07-1995                                       |                                                                           |
| dw                 | 4                     | 6,180,288 B1         |                                   | Everhart et al.                                 | 01-30-2001                                       |                                                                           |
| dw                 | 5                     | 5,922,550            |                                   | Everhart et al.                                 | 07-13-1999                                       |                                                                           |
| dw                 | 6                     | 6,221,579 B1         |                                   | Everhart et al.                                 | 04-24-2001                                       |                                                                           |
| dw                 | 7                     | 6,060,256            |                                   | Everhart et al.                                 | 05-09-2000                                       |                                                                           |
| dw                 | 8                     | 6,297,020 B1         |                                   | Brock, David A.                                 | 10-02-2001                                       | MAR 08 2002                                                               |
| dw                 | 9                     | 6,294,344 B1         |                                   | O'Brien, Timothy J.                             | 09-25-2001                                       |                                                                           |
| dw                 | 10                    | 6,280,687 B1         |                                   | Golub et al.                                    | 08-28-2001                                       | TECH CENTER 1600/2900                                                     |
| dw                 | 11                    | 6,274,703 B1         |                                   | Goldberg, Gregory I.                            | 08-14-2001                                       |                                                                           |
| dw                 | 12                    | 6,258,548 B1         |                                   | Buck, Robert L.                                 | 07-10-2001                                       |                                                                           |
| dw                 | 13                    | 6,235,539 B1         |                                   | Carpenter, Charles                              | 05-22-2001                                       |                                                                           |
| dw                 | 14                    | 6,225,127 B1         |                                   | Thompson et al.                                 | 05-01-2001                                       |                                                                           |
| dw                 | 15                    | 6,203,757 B1         |                                   | Lu et al.                                       | 03-20-2001                                       |                                                                           |
| dw                 | 16                    | 6,194,221 B1         |                                   | Rehg et al.                                     | 02-27-2001                                       |                                                                           |
| dw                 | 17                    | 6,183,972 B1         |                                   | Kuo et al.                                      | 02-06-2001                                       |                                                                           |
| dw                 | 18                    | 6,156,271            |                                   | May, Keith                                      | 12-05-2000                                       |                                                                           |
| dw                 | 19                    | 6,143,506            |                                   | Golub et al.                                    | 11-07-2000                                       |                                                                           |
| dw                 | 20                    | 6,140,134            |                                   | Rittenburg, James H.                            | 10-31-2000                                       |                                                                           |
| dw                 | 21                    | 6,136,610            |                                   | Polito et al.                                   | 10-24-2000                                       |                                                                           |
| dw                 | 22                    | 6,127,139            |                                   | Te Koppele et al.                               | 10-03-2000                                       |                                                                           |
| dw                 | 23                    | 6,074,869            |                                   | Pall et al.                                     | 06-13-2000                                       |                                                                           |
| dw                 | 24                    | 5,989,921            |                                   | Charlton et al.                                 | 11-23-1999                                       |                                                                           |
| dw                 | 25                    | 5,985,675            |                                   | Charm et al.                                    | 11-16-1999                                       |                                                                           |
| dw                 | 25                    | 5,939,331            |                                   | Burd et al.                                     | 08-17-1999                                       |                                                                           |
| dw                 | 27                    | 5,916,521            |                                   | Bunce et al.                                    | 06-29-1999                                       |                                                                           |
| dw                 | 28                    | 5,895,765            |                                   | Rheinheimer et al.                              | 04-20-1999                                       |                                                                           |
| dw                 | 29                    | 5,879,951            |                                   | Sy, Vincent A.                                  | 03-09-1999                                       |                                                                           |
| dw                 | 30                    | 5,876,944            |                                   | Kuo, Hai-Hang                                   | 03-02-1999                                       |                                                                           |
| dw                 | 31                    | 5,869,277            |                                   | Stetler-Stevenson et al.                        | 02-09-1999                                       |                                                                           |
| dw                 | 32                    | 5,798,273            |                                   | Shuler et al.                                   | 08-25-1998                                       |                                                                           |
| dw                 | 33                    | 5,770,691            |                                   | Fields et al.                                   | 06-23-1998                                       |                                                                           |
| dw                 | 34                    | 5,770,460            |                                   | Pawlak et al.                                   | 06-23-1998                                       |                                                                           |
| dw                 | 35                    | 5,766,961            |                                   | Pawlak et al.                                   | 06-16-1998                                       |                                                                           |
| dw                 | 36                    | 5,741,659            |                                   | Ralls et al.                                    | 04-21-1998                                       |                                                                           |
| dw                 | 37                    | 5,736,341            |                                   | Sorsa et al.                                    | 04-07-1998                                       |                                                                           |
| dw                 | 38                    | 5,731,162            |                                   | Gatti et al.                                    | 03-24-1998                                       |                                                                           |
| Examiner Signature | <i>dw</i>             |                      |                                   |                                                 | Date Considered                                  | 04/08/05                                                                  |

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|                       |                       | Number               | Kind Code <sup>2</sup><br>(if known) |                                                 |                                                     |
| W                     | 39                    | 5,712,172            |                                      | Huang et al.                                    | 01-27-1998                                          |
| W                     | 40                    | 5,710,005            |                                      | Rittenburg, James H.                            | 01-20-1998                                          |
| W                     | 41                    | 5,698,404            |                                      | Strauss, III et al.                             | 12-16-1997                                          |
| W                     | 42                    | 5,670,381            |                                      | Jou et al.                                      | 09-23-1997                                          |
| W                     | 43                    | 5,656,503            |                                      | May et al.                                      | 08-12-1997                                          |
| W                     | 44                    | 5,641,636            |                                      | Strauss, III et al.                             | 06-24-1997                                          |
| W                     | 45                    | 5,622,871            |                                      | May et al.                                      | 04-22-1997                                          |
| W                     | 46                    | 5,602,040            |                                      | May et al.                                      | 02-11-1997                                          |
| W                     | 47                    | 5,569,608            |                                      | Sommer, Ronald G.                               | 10-29-1996                                          |
| W                     | 48                    | 5,559,041            |                                      | Kang et al.                                     | 09-24-1996                                          |
| W                     | 49                    | 5,541,069            |                                      | Mortensen et al.                                | 07-30-1996                                          |
| W                     | 50                    | 5,496,453            |                                      | Uenoyama et al.                                 | 03-05-1996                                          |
| W                     | 51                    | 5,415,994            |                                      | Imrich et al.                                   | 05-16-1995                                          |
| W                     | 52                    | 5,382,346            |                                      | Uenoyama et al.                                 | 01-17-1995                                          |
| W                     | 53                    | 5,354,692            |                                      | Yang et al.                                     | 10-11-1994                                          |
| W                     | 54                    | 5,354,447            |                                      | Uenoyama et al.                                 | 10-11-1994                                          |
| W                     | 55                    | 5,332,479            |                                      | Uenoyama et al.                                 | 07-26-1994                                          |
| W                     | 56                    | 5,324,634            |                                      | Zucker, Stanley                                 | 06-28-1994                                          |
| W                     | 57                    | 5,275,785            |                                      | May et al.                                      | 01-04-1994                                          |
| W                     | 58                    | 5,188,938            |                                      | Khanna et al.                                   | 02-23-1993                                          |
| W                     | 59                    | 5,141,850            |                                      | Cole et al.                                     | 08-25-1992                                          |
| W                     | 60                    | 5,037,735            |                                      | Khanna et al.                                   | 08-06-1991                                          |
| W                     | 61                    | 4,999,285            |                                      | Stiso, S. Nicholas                              | 03-12-1991                                          |
| W                     | 62                    | 4,956,302            |                                      | Gordon et al.                                   | 09-11-1990                                          |
| W                     | 63                    | 4,943,522            |                                      | Eisinger et al.                                 | 07-24-1990                                          |
| W                     | 64                    | 4,883,760            |                                      | Heelies, Donald R.                              | 11-28-1989                                          |
| W                     | 65                    | 4,868,108            |                                      | Bahar et al.                                    | 09-19-1989                                          |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials | Cite No. <sup>1</sup> | Foreign Patent Document |                     | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | r <sup>4</sup> |
|-------------------|-----------------------|-------------------------|---------------------|-------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------|----------------|
|                   |                       | Office <sup>3</sup>     | Number <sup>4</sup> |                                                 |                                                     |                                                                           |                |
| W                 | 66                    | EP 0 884 393 A1         |                     | Fuji Photo Film Co., LTD.                       | 12-16-1998                                          |                                                                           |                |
| W                 | 67                    | EP 0 306 772 A1         |                     | Abbott Laboratories                             | 03-15-1989                                          |                                                                           |                |
| W                 | 68                    | EP 0 833 159 A2         |                     | Becton, Dickinson and Co.                       | 04-01-1998                                          |                                                                           |                |
| W                 | 69                    | EP 0 296 724 B1         |                     | Sargeant, Robert B.                             | 01-18-1995                                          |                                                                           |                |
| W                 | 70                    | WO98/46787              |                     | Fuji Photo Film Co., LTD.                       | 04-10-1998                                          |                                                                           |                |
| W                 | 71                    | WO98/39657              |                     | Quidel Corporation                              | 06-03-1997                                          |                                                                           |                |
| W                 | 72                    | WO98/23958              |                     | Schleicher & Schull, Inc.                       | 11-27-1996                                          |                                                                           |                |

Examiner Signature  
Mr. HarwickDate Considered  
04/08/05

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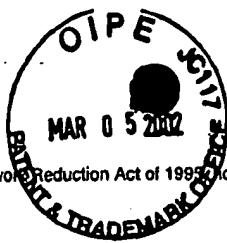
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|                   |                       | Office <sup>3</sup>     | Number <sup>4</sup><br>(if known) |                                                      |                                                  |                                                                           |                |
| dw                | 73                    | WO98/22800              |                                   | Wyntek Diagnostics, Inc.                             | 11-19-1996                                       |                                                                           |                |
| dw                | 74                    | WO97/06439              |                                   | Quidel Corporation                                   | 08-09-1995                                       |                                                                           |                |
| dw                | 75                    | WO96/33413              |                                   | Wyntek Diagnostics, Inc.                             | 04-18-1995                                       |                                                                           |                |
| dw                | 76                    | WO95/30903              |                                   | Biocontrol Systems, Inc.                             | 05-10-1994                                       |                                                                           |                |
| dw                | 77                    | WO94/10208              |                                   | Miles, Inc.                                          | 10-29-1992                                       |                                                                           |                |
| dw                | 78                    | WO94/01775              |                                   | Quidel Corporation                                   | 07-02-1992                                       |                                                                           |                |
| dw                | 79                    | WO92/12428              |                                   | Quidel Corporation                                   | 01-11-1991                                       |                                                                           |                |
| dw                | 80                    | WO90/10062              |                                   | Board of Regents, The University of Texas System     | 02-27-1989                                       |                                                                           |                |
| dw                | 81                    | WO91/11714              |                                   | The United States of America, U.S. Dept. of Commerce | 01-26-1990                                       |                                                                           |                |
| dw                | 82                    | WO00/31538              |                                   | Praxsys Biosystems, Inc.                             | 11-23-1998                                       |                                                                           |                |
| dw                | 83                    | WO00/20860              |                                   | Calbiochem Novabiochem Corporation                   | 10-08-1998                                       |                                                                           |                |
| dw                | 84                    | 10232189 A              |                                   | Unilever NV                                          | 02-14-1997                                       |                                                                           |                |
| dw                | 85                    | 10160736 A              |                                   | Becton Dickinson & Co. Millipore Corp.               | 09-25-1996                                       |                                                                           |                |
| dw                | 86                    | 09206099 A              |                                   | Sekisui Chem Co., LTD                                | 01-31-1996                                       |                                                                           |                |
| dw                | 87                    | 09136841 A              |                                   | Polifarma Spa                                        | 08-07-1995                                       |                                                                           |                |
| dw                | 88                    | 08226918 A              |                                   | Fuji Yakuhin Kogyo KK                                | 02-02-1995                                       |                                                                           |                |
| dw                | 89                    | 08136548 A              |                                   | Morinaga & Co., LTD                                  | 11-11-1994                                       |                                                                           |                |
| dw                | 90                    | 06167497 A              |                                   | Becton Dickinson & Co.                               | 08-03-1992                                       |                                                                           |                |

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## OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published                                                                                                                                                                                                 | T <sup>2</sup> |
|--------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| dw                 | 91                    | MALISZEWSKA ET AL. "Development of an ultrasensitive enzyme immunoassay for the determination of matrix metalloproteinases-9 (MMP-9) levels in normal human cerebrospinal fluid", <i>J. Neuroimmunol.</i> (2001) : 116(2), 233-238. Chemical Abstracts, 7-Enzymes, Vol. 135, No. 16, 135:223205.                                                                                                                                                               |                |
| dw                 | 92                    | WANG ET AL. "One-step sandwich enzyme immunoassay using monoclonal antibodies for detection of human enamelysin (MMP-20)", <i>Eur. J. Oral Sci.</i> (2000): 108(6), 530-537. Chemical Abstracts, 7-Enzymes, Vol. 134, No. 11, 134:143641f.                                                                                                                                                                                                                     |                |
| dw                 | 93                    | TERSTAPPEN, ET AL. "Methods and reagents for the rapid and efficient isolation of circulating cancer cells using immunomagnetic enrichment combines with flow cytometric and immunocytochemical analysis", <i>Immunivest: University of Texas Southwestern Medical Center/Dallas, USA</i> . PCT Int. Appl. WO99 41,613, 19 Aug 1999, US Appl. PV110,202, 30 Nov 1998; pp. 115. Chemical Abstracts, 9-Biochemical Methods, Vol. 131, No. 12, 1999, 131:155517w. |                |
| Examiner Signature |                       | Date Considered                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |

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| dw                                                  | 94        | BAKER ET AL. "Real-time monitoring of recombinant protein concentration in animal cell cultures using an optical biosensor", <i>Genet. Eng. Biotechnol.</i> (1997); 17(2&3), 69-74. Chemical Abstracts 16-Fermentation and Bioindustrial Chemistry, Vol. 128, No. 6, 1998, 128:60742q. |
| dw                                                  | 95        | STIVERS, ET AL. "A miniaturized self-contained single-use disposable quantitative test for hemoglobin A1c in blood at the point of care", <i>Diabetes Technol Ther.</i> (2000) Winter:2(4):517-26. PMID: 11469613                                                                      |
| dw                                                  | 96        | MALISZEWSKA ET AL. "Development of an ultrasensitive enzyme immunoassay for the determination of matrix metalloproteinases-9 (MMP-9) levels in normal human cerebrospinal fluid", <i>J Neuroimmunol</i> (2001), June 1:116(2):223-7. PMID: 11438179                                    |
| dw                                                  | 97        | WANG ET AL. "One-step sandwich enzyme immunoassay using monoclonal antibodies for detection of human enolysin (MMP-20)" <i>Eur J Oral Sci.</i> (2000) Dec;108(6):530-7. PMID: 11153928                                                                                                 |
| dw                                                  | 98        | HANEMAAIJER ET AL. "Increased gelatinaseA and gelatinase-B activities in malignant vs. benign breast tumors" <i>Cancer</i> (2000) Apr 15;86(2):204-7. PMID: 10738247                                                                                                                   |
| dw                                                  | 99        | STEARNS ET AL. "Evidence for increased activated metalloproteinases 2 (MMP-2a) expression associated with human prostate cancer progression" <i>Int J Res.</i> (1996);8(2):69-75. PMID: 8859777                                                                                        |
| dw                                                  | 100       | MANICOURT ET AL. "An assay for matrix metalloproteinases and other proteases acting on proteoglycans, casein, or gelatin" <i>Anal Biochem</i> (1993) Dec;215(2):171-9. PMID: 8122775                                                                                                   |
| dw                                                  | 101       | COOKSLEY ET AL. "Immunoassays for the detection of human collagenase, stromelysin, tissue inhibitor of metalloproteinases (TIMP) and enzyme-inhibitor complexes" <i>Matrix</i> (1990) Oct;10(5):285-91. PMID: 1964712                                                                  |
| dw                                                  | 102       | HOFFMAN ET AL. "Matrix Metalloproteinases in Human Melanoma" <i>The Journal of Investigative Dermatology, Inc.</i> (2000) pp. 337-44.                                                                                                                                                  |
| dw                                                  | 103       | TRENGOVE ET AL. "Analysis of the acute and chronic wound environments: the role of proteases and their inhibitors" <i>Wound Repair and Regeneration</i> , Nov.-Dec. (1999) pp. 442-52.                                                                                                 |
| dw                                                  | 104       | VAALAMO ET AL. "Differential Expression of Tissue Inhibitors of Metalloproteinases (TIMP-1, -2, -3, and -4) in Normal and Aberrant Wound Healing" <i>Human Pathology</i> Vol. 30, No. 7 (July 1999), pp. 795-802.                                                                      |
| dw                                                  | 105       | SOO ET AL. "Differential Expression of Matrix Metalloproteinases and Their Tissue-Derived Inhibitors in Cutaneous Wound Repair" <i>Inhibitor Expression in Wound Repair, Plastic and Reconstruction Surgery</i> (February 2000), pp. 638-647.                                          |
| dw                                                  | 106       | SAARIALHO-KERE, U.K. "Patterns of matrix metalloproteinases and TIMP expression in chronic ulcers" <i>Arch Dermatol Res</i> (1998) 290 (Suppl):S47-S54.                                                                                                                                |
| dw                                                  | 107       | HEROUY ET AL. "Matrix metalloproteinases and venous leg ulceration" <i>Eur J Dermatol</i> 2000; 9: 173-80.                                                                                                                                                                             |
| dw                                                  | 108       | HEROUY ET AL. "Matrix metalloproteinases and venous leg ulceration" <i>Eur J Dermatol</i> Vol. 10, Issue 3, April-May 2000: 173-80, Review article.                                                                                                                                    |
| dw                                                  | 109       | WHITTAKER ET AL. "Matrix Metalloproteinases and their Inhibitors - Current Status and Future Challenges" <i>Cell Transmissions</i> , Vol. 17, No. 1, pp. 3-14. <i>Year</i> ?                                                                                                           |
| dw                                                  | 110       | ZEMBOWER ET AL. "Novel Anthraquinone Inhibitors of Human Leukocyte Elastase and Cathepsin G" <i>J. Med. Chem.</i> 1992, 35, 1597-1605.                                                                                                                                                 |
| dw                                                  | 111       | BREM ET AL. "Interstitial chemotherapy with drug polymer implants for the treatment of recurrent gliomas" <i>J Neurosurg</i> 1991 74:441-446.                                                                                                                                          |
| dw                                                  | 112       | SHAW ET AL. "Metalloproteinase inhibitors: new opportunities for the treatment of rheumatoid arthritis and osteoarthritis" <i>Exp. Opin. Invest. Drugs</i> (2000) 9(7):1469-1478.                                                                                                      |

Examiner Signature

*M. Alvarez*

Date Considered

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| <b>Application Number</b>     | 09/753,139                |
| <b>Filing Date</b>            | December 29, 2000         |
| <b>First Named Inventor</b>   | Quirk                     |
| <b>Group Art Unit</b>         | 1646                      |
| <b>Examiner Name</b>          | Not Yet Assigned          |
| <b>Attorney Docket Number</b> | 11301-0200 (44039-227522) |

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

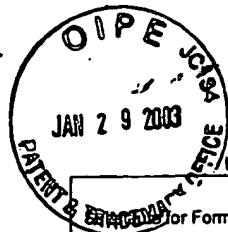
**Examiner  
Signature**

charles

Date Considered

04/08/05

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.



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STATEMENT BY APPLICANT**

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Sheet 2

of 2

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|                      |                   |
|----------------------|-------------------|
| Application Number   | 09/753,139        |
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| Group Art Unit       | 1646              |
| Examiner Name        | Not Yet Assigned  |

Attorney Docket Number 11301-0200 (44039-227522)

**OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS**

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

T<sup>2</sup>

*MF* 2 A.J.P. Docherty et al., "Sequence of Human Tissue Inhibitor of Metalloproteinase and Its Identity to Erythroid-potentiating activity," *Nature*, Vol. 318, No. 7, pp. 66-69 (11/7/1985).

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|--------------------|---------------------|-----------------|----------|
| Examiner Signature | <i>M. Wilkerson</i> | Date Considered | 04/08/05 |
|--------------------|---------------------|-----------------|----------|